

WEST Search History

DATE: Thursday, February 16, 2006

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<input type="checkbox"/>	L11	(automatically and creat\$3 or updat\$3 or insert\$3 or delet\$3 or add\$3) and (database\$1 or data\$base\$1) and table\$1 and row\$1 and (timestamp\$3 or time\$stamp\$3) and execut\$3 and (search\$3 or query\$3) and (trend\$1 or mirror\$3 or replicat\$3) and analysis and (response\$1 or output or retriev\$3) and connectivit\$2 and layer\$1 and dataset\$1.clm.	0
<input type="checkbox"/>	L10	data and table\$1 and database\$1 and connectivity and layer\$1 and trend\$1 and analysis and stor\$3 and retriev\$3 and (query\$3 or search\$3) and row\$1 and record\$1 and timestamp\$3 and captur\$3 and updat\$3 and populat\$3 and automatic\$4 and execut\$3 and (result\$1 or output) and stor\$3 and management.clm.	60
<input type="checkbox"/>	L9	data and table\$1 and database\$1 and connectivity and layer\$1 and trend\$1 and analysis and stor\$3 and retriev\$3 and (query\$3 or search\$3) and row\$1 and record\$1 and timestamp\$3 and captur\$3 and updat\$3.clm.	11
<input type="checkbox"/>	L8	trend and analysis and (query\$3 or search\$3) and execut\$3 and table\$1 and (updat\$3 or add\$3 or insert\$3 or delet\$3) and (dataset\$1 or record\$1) and database\$1 and timestamp\$3 and generat\$3 and perform\$3 and retriev\$3 and populat\$3 and row\$1.clm.	1
<input type="checkbox"/>	L7	trend and analysis and (query\$3 or search\$3) and execut\$3 and table\$1 and (updat\$3 or add\$3 or insert\$3 or delet\$3) and (dataset\$1 or record\$1) and database\$1.clm.	957
<input type="checkbox"/>	L6	(updat\$3 or creat\$3) and (query\$3 or search\$3) and data and set\$1 and table\$1 and row\$1 and timestamp\$3 and populat\$3 and (mirror\$3 or trend\$1) and execut\$3 and automatic\$3.clm.	4
<input type="checkbox"/>	L5	L4 and (execut\$3 near5 query\$3)	0
<input type="checkbox"/>	L4	L3 and (data near5 table\$1)	34
<input type="checkbox"/>	L3	L2 and (data near5 set\$1)	34
<input type="checkbox"/>	L2	((trend or replicat\$3 or mirror\$3) and analysis and database\$1 and table\$1 and row\$1 and (timestamp\$3 or time\$stamp\$3)).clm.	34
<input type="checkbox"/>	L1	(database and management and application\$1 and (query\$3 or search\$3) and dataset\$1 and table\$1 and execut\$3 and (trend or mirror\$3 or replicat\$3) and row\$1 and populat\$3 and (updat\$3 or delet\$3 or insert\$3) and timestamp\$3).clm.	0

END OF SEARCH HISTORY

RESULT LIST

31 results found in the Worldwide database for:
database in the title AND **timestamp** in the title or abstract
 (Results are sorted by date of upload in database)

- 1 System and method for improved database table record insertion and reporting**
 Inventor: CHELLAM SUDHAKAR V (US); PLACHCO CHRYSTIAN L (US) Applicant: IBM (US)
 EC: IPC: **G06F17/30; G06F17/30**
 Publication info: **US2006010122** - 2006-01-12
- 2 Real-time database update transaction with disconnected relational database clients**
 Inventor: WILMOT GERALD J (US) Applicant:
 EC: G06F17/30B IPC: **G06F17/30; G06F12/00; G06F17/30 (+1)**
 Publication info: **US2006010178** - 2006-01-12
- 3 Database performance baselines**
 Inventor: WOOD GRAHAM S (US); TSUKERMAN ALEX (US); (+4) Applicant: ORACLE INT CORP (US)
 EC: IPC: **G06F17/00; G06F17/00; (IPC1-7): G06F17/00**
 Publication info: **US2005086246** - 2005-04-21
- 4 Low-overhead built-in timestamp column for relational database systems**
 Inventor: CHEN YAO-CHING S (US); COTNER CURT L (US) Applicant:
 EC: G06F17/30B; G06F17/30S1 IPC: **G06F17/00; G06F17/00; (IPC1-7): G06F17/00**
 Publication info: **US2005177590** - 2005-08-11
- 5 Method and apparatus for entity removal from a content management solution implementing time-based flagging for certainty in a relational database environment**
 Inventor: BENSON DONALD E (US); GALLAGHER EDWARD J (US); (+2) Applicant: IBM
 EC: IPC: **G06F17/30; G06F17/30; (IPC1-7): G06F17/30**
 Publication info: **US2005160078** - 2005-07-21
- 6 Method and apparatus for performing conflict resolution in database logging**
 Inventor: PELEG NITZAN (IL); BORTNIKOV EDWARD (IL); (+1) Applicant:
 EC: IPC: **G06F17/30; G06F17/30; (IPC1-7): G06F17/30**
 Publication info: **US2005102326** - 2005-05-12
- 7 NETWORK CONFIGURATION DATABASE STORING PAST, CURRENT AND FUTURE CONFIGURATION DATA**
 Inventor: LAGERMAN MIKAEL Applicant: ERICSSON TELEFON AB L M (SE)
 EC: H04L12/24A2; H04L12/24A6; (+1) IPC: **H04L12/24; H04L12/24; (IPC1-7): H04L12/24**
 Publication info: **WO03045006** - 2003-05-30
- 8 DATABASE INTERFACE ARCHITECTURE WITH TIME-BASED LOAD BALANCING IN A REAL-TIME ENVIRONMENT**
 Inventor: JOSEPH PAUL G; NANDAN SANJEEV; (+3) Applicant: ENGAGE INC (US)
 EC: G06F17/30B IPC: **G06F17/30; G06F17/30; (IPC1-7): G06F17/30 (+3)**
 Publication info: **WO03023656** - 2003-03-20
- 9 Database interface architecture with time-based load balancing in a real-time environment**
 Inventor: JOSEPH PAUL G (US); NANDAN SANJEEV Applicant:

(US); (+3)

EC: G06F17/30B

IPC: **G06F17/30; G06F17/30**; (IPC1-7): G06F7/00

Publication info: **US2003065646** - 2003-04-03

10 In-place dynamically re-sizeable persistent historical database

Inventor: FREDERICK JESSE R (US)

Applicant:

EC: G06F17/30

IPC: **G06F17/30; G06F17/30**; (IPC1-7): G06F7/00

Publication info: **US2003163475** - 2003-08-28

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 EC: IPC: **G06F17/30; G06F17/30; (IPC1-7): G06F17/30**
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 Publication info: **US2005102326** - 2005-05-12
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 Inventor: LAGERMAN MIKAEL Applicant: ERICSSON TELEFON AB L M (SE)
 EC: H04L12/24A2; H04L12/24A6; (+1) IPC: **H04L12/24; H04L12/24; (IPC1-7): H04L12/24**
 Publication info: **WO03045006** - 2003-05-30
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(US); (+3)

EC: G06F17/30B

IPC: **G06F17/30; G06F17/30**; (IPC1-7): G06F7/00

Publication info: **US2003065646** - 2003-04-03

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Inventor: FREDERICK JESSE R (US)

Applicant:

EC: G06F17/30

IPC: **G06F17/30; G06F17/30**; (IPC1-7): G06F7/00

Publication info: **US2003163475** - 2003-08-28

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Approximately **37** results found in the Worldwide database for:
database in the title AND **connectivity** in the title or abstract
 (Results are sorted by date of upload in database)

21 DATABASE SYSTEM AND METHOD

Inventor: ZAMANIAN KIUMARSE; NESAMONEY DIAZ Applicant: INFORMATICA CORP (US)
 EC: G06F17/30B2 IPC: **G06F17/30; G06F17/30**; (IPC1-7): G06F17/30
 Publication info: **WO0137135** - 2001-05-25

22 System and method for integrating electrical power grid and related data from various proprietary raw data formats into a single maintainable electrically connected database

Inventor: GOODRICH MARGARET E (US); PETERSON Applicant: STONE AND WEBSTER CONSULTANTS (US)
 JEFFREY S (US); (+2)
 EC: G06F17/30B IPC: **G06F17/30; G06F17/30**; (IPC1-7): G06F17/30
 Publication info: **US6516326** - 2003-02-04

23 Method and system for providing internet-based database interoperability using a frame model for universal database

Inventor: FONG JOSEPH SHI-PIU (HK) Applicant: FONG JOSEPH SHI-PIU (HK)
 EC: G06F17/30B; G06F17/30W IPC: **G06F17/30; G06F17/30**; (IPC1-7): G06F17/30
 Publication info: **US6704747** - 2004-03-09

24 METHOD AND SYSTEM FOR IMPROVED ACCESS TO NONRELATIONAL DATABASE

Inventor: KIMBERLEY L GAJIDA; BRADLEY A HESS; Applicant: IBM
 (+3)
 EC: G06F17/30B IPC: **G06F17/30; G06F17/30**; (IPC1-7): G06F12/00
 (+2)
 Publication info: **JP2001051879** - 2001-02-23

25 Method and apparatus for establishing a database used for correlating information gathered via SNMP

Inventor: FERGUSON DARIN (US); CLOUSTON ROBERT Applicant: CISCO TECH IND (US)
 (US); (+1)
 EC: H04L12/24A2; H04L12/24B3 IPC: **H04L12/24; H04L12/24**; (IPC1-7): G06F15/16
 Publication info: **US6430595** - 2002-08-06

26 Database network connectivity product

Inventor: BRACHO RAFAEL (US); SPORKERT TILMAN Applicant: SUN MICROSYSTEMS INC (US)
 (US)
 EC: G06F17/30B; G06F17/30N IPC: **G06F17/30; G06F17/30**; (IPC1-7): G06F17/30
 Publication info: **US5974417** - 1999-10-26

27 Method and system for database publishing

Inventor: LUCA ANTHONY J (US) Applicant:
 EC: G06F17/30B IPC: **G06F17/30; G06F17/30**; (IPC1-7): G06F17/30
 Publication info: **US6282539** - 2001-08-28

28 Method for identifying related pages in a hyperlinked database

Inventor: DEAN JEFFREY (US); HENZINGER MONIKA R Applicant: OVERTURE SERVICES INC (US)
 (US); (+1)
 EC: IPC: **G06F15/00; G06F17/00; G06F15/00** (+2)
 Publication info: **US6665837** - 2003-12-16

29 Application programming interface for monitoring data warehouse activity occurring through a client/server open database connectivity interface

Inventor: ROSENSTEEL JR KENNETH R (US) Applicant: BULL HN INFORMATION SYST (US)
 EC: G06F17/30B IPC: **G06F17/30; G06F17/30**; (IPC1-7): G06F17/30

Publication info: **US6363391** - 2002-03-26

30 JAVA-TO-DATABASE CONNECTIVITY SERVER

Inventor: MARITZEN LYNN M; DIMAANDAL ROLAND D Applicant: SUN MICROSYSTEMS INC (US)

EC: G06F17/30B

IPC: **G06F17/30; G06F17/30**; (IPC1-7): G06F17/30

Publication info: **WO9844438** - 1998-10-08

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RESULT LIST

Approximately **37** results found in the Worldwide database for:
database in the title AND **connectivity** in the title or abstract
(Results are sorted by date of upload in database)

- 1 Browser based database access and administration method for virtual databases and virtual communities**
Inventor: FERIA CRISTINA F (CA); CECILIO ANALIZA (CA); (+1) Applicant:
EC: IPC: **G06Q99/00; G06Q99/00**
Publication info: **US2006026029** - 2006-02-02
- 2 OPTICAL NETWORK DATABASE AND OPTICAL REROUTABLE REDUNDANCY SCHEME**
Inventor: SADANANDA SANTOSH KUMAR (US) Applicant: INTELLAMBDA SYSTEMS INC (US);
SADANANDA SANTOSH KUMAR (US)
EC: H04L12/56C1 IPC: **H04L12/56; H04L12/56; (IPC1-7): H04L12/28**
Publication info: **WO2005002142** - 2005-01-06
- 3 Deformable healer for removing CAD database connectivity gaps from free-form curves and surfaces**
Inventor: CELNIKER GEORGE (US) Applicant:
EC: G06T17/30; G06T17/40 IPC: **G06T17/30; G06T17/40; G06T17/30 (+2)**
Publication info: **US2004174362** - 2004-09-09
- 4 Method and apparatus for a network database in an optical network**
Inventor: SADANANDA SANTOSH KUMAR (US) Applicant:
EC: H04L12/56C1 IPC: **H04L12/56; H04Q11/00; H04L12/56 (+2)**
Publication info: **US2004247317** - 2004-12-09
- 5 Method for identifying related pages in a hyperlinked database**
Inventor: BLACK JEFFREY DEAN (US); HENZINGER MONIKA R (US); (+1) Applicant:
EC: IPC: **G06F15/00; G06F17/00; G06F15/00 (+2)**
Publication info: **US2004193636** - 2004-09-30
- 6 Value-instance-connectivity computer-implemented database**
Inventor: TARIN STEPHEN A (US) Applicant: REQUIRED TECHNOLOGIES INC (US)
EC: G06F17/30S1 IPC: **G06F17/00; G06F17/30; G06F17/00 (+2)**
Publication info: **US2004059750** - 2004-03-25
- 7 Value-instance-connectivity computer-implemented database**
Inventor: TARIN STEPHEN A (US) Applicant:
EC: G06F17/30S1 IPC: **G06F17/00; G06F17/30; G06F17/00 (+2)**
Publication info: **US2005192996** - 2005-09-01
- 8 System and method for connectivity to structured query language database**
Inventor: CHEN JUN (US); GOODSON JOHN (US); (+1) Applicant:
EC: IPC: **G06F9/00; G06F9/00; (IPC1-7): G06F9/00**
Publication info: **US2004088717** - 2004-05-06
- 9 Integrated development environment with context sensitive database connectivity assistance**
Inventor: BHOGAL KULVIR S (US); DINH HUNG T (US); (+1) Applicant: IBM (US)
EC: G06F17/30S3 IPC: **G06F7/00; G06F7/00; (IPC1-7): G06F7/00**
Publication info: **US2004267690** - 2004-12-30
- 10 Method and apparatus for detecting connectivity conditions in a netlist database**

Inventor: FISHER RORY L (US)

Applicant:

EC: G06F17/50C3

IPC: **G06F17/50; G06F17/50;** (IPC1-7): G06F17/50

Publication info: **US2003221173** - 2003-11-27

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Search Query Display

Recent Search Queries

- #1 ((database<in>metadata) <and>
 (connectivity<in>metadata))<and> (layer<in>metadata)
- #2 ((database<in>metadata) <and> (trend<in>metadata))<and>
 (analysis<in>metadata)
- #3 ((database<in>metadata) <and> (query<in>metadata))
 <and> (timestamp<in>metadata)
- #4 ((analysis<in>metadata) <and> (query<in>metadata))<and>
 (timestamp<in>metadata)
- #5 ((mirroring<in>metadata) <and> (query<in>metadata))<and>
 (timestamp<in>metadata)
- #6 ((mirroring<in>metadata) <and> (query<in>metadata))<and>
 (tables<in>metadata)
- #7 ((mirroring<in>metadata) <and> (query<in>metadata))<and>
 (database<in>metadata)
- #8 ((mirroring<in>metadata) <and> (data<in>metadata))<and>
 (table<in>metadata)
- #9 ((capturing<in>metadata) <and> (data<in>metadata))<and>
 (table<in>metadata)
- #10 ((capturing<in>metadata) <and> (database<in>metadata))
 <and> (table<in>metadata)
- #11 ((capturing<in>metadata) <and> (database<in>metadata))
 <and> (rows<in>metadata)
- #12 ((executing<in>metadata) <and> (database<in>metadata))
 <and> (rows<in>metadata)
- #13 ((query<in>metadata) <and> (database<in>metadata))
 <and> (analysis<in>metadata)




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Results for "((database<in>metadata) <and> (connectivity<in>metadata))<and> (layer..."
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((database<in>metadata) <and> (connectivity<in>metadata))<and> (layer<in>me

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 Display Format: ☒ Citation ☐ Citation & Abstract

» Key

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

[Select All](#) [Deselect All](#)

- ☐ 1. **Internet/Intranet access to a multimedia cardiology information system**
 Back, M.; Norgall, T.; Rommel, M.; Zywiets, C.;
Computers in Cardiology 1999
 26-29 Sept. 1999 Page(s):81 - 84
 Digital Object Identifier 10.1109/CIC.1999.825911
[AbstractPlus](#) | Full Text: [PDF\(792 KB\)](#) IEEE CNF
[Rights and Permissions](#)
- ☐ 2. **Predicting human cortical connectivity for language areas using the Coni**
 Fukuda, R.; Hara, J.; Shankle, W.R.; Inui, T.; Tomita, M.;
Neural Networks, 1999. IJCNN '99. International Joint Conference on
 Volume 1, 10-16 July 1999 Page(s):293 - 295 vol.1
 Digital Object Identifier 10.1109/IJCNN.1999.831504
[AbstractPlus](#) | Full Text: [PDF\(236 KB\)](#) IEEE CNF
[Rights and Permissions](#)
- ☐ 3. **Resource integration using a large knowledge base in Carnot**
 Collet, C.; Huhns, M.N.; Shen, W.-M.;
Computer
 Volume 24, Issue 12, Dec. 1991 Page(s):55 - 62
 Digital Object Identifier 10.1109/2.116889
[AbstractPlus](#) | Full Text: [PDF\(664 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ 4. **Impact of external security measures on data access implementation with database management system**
 Garuba, M.; Girma, A.;
Information Technology: Coding and Computing, 2005. ITCC 2005. Internation
 Volume 1, 4-6 April 2005 Page(s):243 - 248 Vol. 1
 Digital Object Identifier 10.1109/ITCC.2005.170
[AbstractPlus](#) | Full Text: [PDF\(93 KB\)](#) IEEE CNF
[Rights and Permissions](#)
- ☐ 5. **Automatic circuitry and accessibility extraction by road graph network an with high-resolution satellite imagery**
 Kiwon Lee; Hee Young Ryu;
Geoscience and Remote Sensing Symposium, 2004. IGARSS '04. Proceeding International

Volume 5, 2004 Page(s):3144 - 3146 vol.5
Digital Object Identifier 10.1109/IGARSS.2004.1370366
[AbstractPlus](#) | Full Text: [PDF](#)(658 KB) IEEE CNF
[Rights and Permissions](#)

- ☐ **6. Object design of a distributed client/server system**
Brown, S.; Vallas, R.; Ibrahim, M.; Al-Zobaidie, A.;
[Database and Expert Systems Applications, 1998. Proceedings. Ninth International Conference on](#)
26-28 Aug. 1998 Page(s):957 - 966
Digital Object Identifier 10.1109/DEXA.1998.707521
[AbstractPlus](#) | Full Text: [PDF](#)(72 KB) IEEE CNF
[Rights and Permissions](#)
- ☐ **7. Mobile Internet access and QoS guarantees using mobile IP and RSVP with registers**
Jain, R.; Raleigh, T.; Graff, C.; Bereschinsky, M.;
[Communications, 1998. ICC 98. Conference Record. 1998 IEEE International Conference on](#)
Volume 3, 7-11 June 1998 Page(s):1690 - 1695 vol.3
Digital Object Identifier 10.1109/ICC.1998.683118
[AbstractPlus](#) | Full Text: [PDF](#)(592 KB) IEEE CNF
[Rights and Permissions](#)
- ☐ **8. Adaptable consistency control mechanism for a mobility enabled file system**
Cuce, S.; Zaslavsky, A.;
[Mobile Data Management, 2002. Proceedings. Third International Conference on](#)
8-11 Jan. 2002 Page(s):27 - 34
[AbstractPlus](#) | Full Text: [PDF](#)(383 KB) IEEE CNF
[Rights and Permissions](#)
- ☐ **9. An integration framework for airport automation systems**
Cheng, N.;
[Digital Avionics Systems, 2001. DASC. The 20th Conference on](#)
Volume 2, 14-18 Oct. 2001 Page(s):9E3/1 - 9E3/10 vol.2
Digital Object Identifier 10.1109/DASC.2001.964256
[AbstractPlus](#) | Full Text: [PDF](#)(794 KB) IEEE CNF
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Results for "((database<in>metadata) <and> (trend<in>metadata))<and> (analysis<..."

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Modify Search

((database<in>metadata) <and> (trend<in>metadata))<and> (analysis<in>metad

Search

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» Key

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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View: 1-25 | 26-5

- ☐ 1. **SEE: a Spatial Exploration Environment based on a direct-manipulation p**
Kaushik, S.R.; Rundensteiner, E.A.;
[Knowledge and Data Engineering, IEEE Transactions on](#)
Volume 13, Issue 4, July-Aug. 2001 Page(s):654 - 670
Digital Object Identifier 10.1109/69.940738
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(2952 KB) IEEE JNL
[Rights and Permissions](#)
- ☐ 2. **Impact of Memory Technology Trends on Performance of Web Systems**
Andreolini, M.; Colajanni, M.; Lancellotti, R.;
[Next Generation Web Services Practices, 2005. NWeSP 2005. International C.](#)
22-26 Aug. 2005 Page(s):207 - 213
Digital Object Identifier 10.1109/NWESP.2005.46
[AbstractPlus](#) | Full Text: [PDF](#)(264 KB) IEEE CNF
[Rights and Permissions](#)
- ☐ 3. **The virtual analyst program: a small scale data-mining, error-analysis and function**
Moser, W.K.; Hansen, M.H.; Miles, P.; Johnson, B.; McRoberts, R.;
[Database and Expert Systems Applications, 2005. Proceedings. Sixteenth Inte](#)
[Workshop on](#)
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Pardede, E.; Wenny Rahayu, J.; Taniar, D.;

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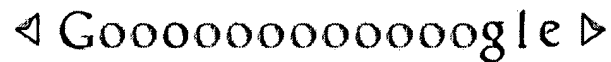
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Janet Perna

 May 1995 **ACM SIGMOD Record , Proceedings of the 1995 ACM SIGMOD international conference on Management of data SIGMOD '95**, Volume 24 Issue 2
Publisher: ACM PressFull text available: [pdf\(267.25 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Data is a corporate asset, and being able to derive more information from data can provide database users with a competitive advantage. For example, catching on to trends quickly can reduce unwanted store inventory and lower capital outlay for the same profit. If you have store sales data by product analyzed on a daily basis, that can make a 2-3% difference in margin -- and in a business where margins might be 4%, this is a significant competitive edge. This paper will cover what technology is n ...

2 [Distributed data clustering can be efficient and exact](#)

George Forman, Bin Zhang

 December 2000 **ACM SIGKDD Explorations Newsletter**, Volume 2 Issue 2
Publisher: ACM PressFull text available: [pdf\(514.56 KB\)](#) Additional Information: [full citation](#), [index terms](#)

Keywords: data mining, distributed computing, multidimensional data clustering, parallel algorithms, very large databases

3 [INsite: introduction to a generic paradigm for interpreting user-Web space interaction](#)

Adil Faisal, Cyrus Shahabi, Margaret McLaughlin, Frederick Betz

 November 1999 **Proceedings of the 2nd international workshop on Web information and data management**
Publisher: ACM PressFull text available: [pdf\(818.59 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

INsite is a heuristic-based implementation to provide consistent tracking, analysis and visualization of users' interactions with a generic web site. Our research has immediate applicability in such disparate fields as Business, E-commerce, Distance Education, Entertainment and Management for capturing individual and collective profiles of customers, learners and employees. INsite can identify trends and changes in user(s)

behavior (interests) by monitoring their online interactions. It has ...

Keywords: WWW, Web mining, Web navigation analysis, Web space, traffic analysis, user profile, visualization

4 A survey of data mining and knowledge discovery software tools



Michael Goebel, Le Gruenwald

June 1999 **ACM SIGKDD Explorations Newsletter**, Volume 1 Issue 1

Publisher: ACM Press

Full text available: pdf(1.28 MB) Additional Information: [full citation](#), [abstract](#), [references](#)

Knowledge discovery in databases is a rapidly growing field, whose development is driven by strong research interests as well as urgent practical, social, and economical needs. While the last few years knowledge discovery tools have been used mainly in research environments, sophisticated software products are now rapidly emerging. In this paper, we provide an overview of common knowledge discovery tasks and approaches to solve these tasks. We propose a feature classification scheme that can be ...

Keywords: data mining, knowledge discovery in databases, surveys

5 Special issue: AI in engineering



D. Sriram, R. Joobhani

April 1985 **ACM SIGART Bulletin**, Issue 92

Publisher: ACM Press

Full text available: pdf(8.79 MB) Additional Information: [full citation](#), [abstract](#)

The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

6 Broadcast protocols to support efficient retrieval from databases by mobile users



Anindya Datta, Debra E. VanderMeer, Aslihan Celik, Vijay Kumar

March 1999 **ACM Transactions on Database Systems (TODS)**, Volume 24 Issue 1

Publisher: ACM Press

Full text available: pdf(638.48 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Mobile computing has the potential for managing information globally. Data management issues in mobile computing have received some attention in recent times, and the design of adaptive broadcast protocols has been posed as an important problem. Such protocols are employed by database servers to decide on the content of broadcasts dynamically, in response to client mobility and demand patterns. In this paper we design such protocols and also propose efficient retrieval s ...

Keywords: adaptive broadcast protocols, client-server computing, energy conservation, mobile databases

7 Specifying analysis patterns for geographic databases on the basis of a conceptual framework



Jugurta Lisboa Filho, Cirano Iochpe

November 1999 **Proceedings of the 7th ACM international symposium on Advances in geographic information systems**

Publisher: ACM Press

Full text available:  [pdf\(117.23 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: analysis pattern, conceptual design, geographic databases

8 Discourse I: Discourse and cohension in expository text

Allen B. Tucker, Sergei Nirenburg, Victor Raskin

August 1986 **Proceedings of the 11th conference on Computational linguistics**

Publisher: Association for Computational Linguistics

Full text available:  [pdf\(328.09 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#)

9 Network and service management for wide-area electronic commerce networks

Symeon Papavassiliou

March 2001 **International Journal of Network Management**, Volume 11 Issue 2

Publisher: John Wiley & Sons, Inc.

Full text available:  [pdf\(416.91 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper focuses on the effective management of wide‐area electronic commerce networks supporting services and applications that require high availability and reliability as well as fast reconstitution time, in the event of failures. Copyright © 2001 John Wiley & Sons, Ltd.

10 A survey on wavelet applications in data mining



Tao Li, Qi Li, Shenghuo Zhu, Mitsunori Ogiwara

December 2002 **ACM SIGKDD Explorations Newsletter**, Volume 4 Issue 2

Publisher: ACM Press

Full text available:  [pdf\(330.06 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Recently there has been significant development in the use of wavelet methods in various data mining processes. However, there has been written no comprehensive survey available on the topic. The goal of this is paper to fill the void. First, the paper presents a high-level data-mining framework that reduces the overall process into smaller components. Then applications of wavelets for each component are reviewed. The paper concludes by discussing the impact of wavelets on data mining research an ...


11 Shape-based retrieval and analysis of 3D models



Thomas Funkhouser, Michael Kazhdan

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

Publisher: ACM Press

Full text available:  [pdf\(12.56 MB\)](#) Additional Information: [full citation](#), [abstract](#)

Large repositories of 3D data are rapidly becoming available in several fields, including mechanical CAD, molecular biology, and computer graphics. As the number of 3D models grows, there is an increasing need for computer algorithms to help people find the interesting ones and discover relationships between them. Unfortunately, traditional text-based search techniques are not always effective for 3D models, especially when queries are geometric in nature (e.g., find me objects that fit into thi ...

12 Information retrieval on the web

Mei Kobayashi, Koichi Takeda



June 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 2

Publisher: ACM Press

Full text available: pdf(213.89 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper we review studies of the growth of the Internet and technologies that are useful for information search and retrieval on the Web. We present data on the Internet from several different sources, e.g., current as well as projected number of users, hosts, and Web sites. Although numerical figures vary, overall trends cited by the sources are consistent and point to exponential growth in the past and in the coming decade. Hence it is not surprising that about 85% of Internet user ...

Keywords: Internet, World Wide Web, clustering, indexing, information retrieval, knowledge management, search engine

13 Brave new topics 3: advanced methods for medical image retrieval & applications:



Data grid for large-scale medical image archive and analysis

H. K. Huang, Aifeng Zhang, Brent Liu, Zheng Zhou, Jorge Documet, Nelson King, L. W. C. Chan

November 2005 **Proceedings of the 13th annual ACM international conference on Multimedia MULTIMEDIA '05**

Publisher: ACM Press

Full text available: pdf(2.03 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Storage and retrieval technology for large-scale medical image systems has matured significantly during the past ten years but many implementations still lack cost-effective backup and recovery solutions. As an example, a PACS (Picture Archiving and Communication system) in a general medical center requires about 40 Terabytes of storage capacity for seven years. Despite many healthcare centers are relying on PACS for 24/7 clinical operation, current PACS lacks affordable fault-tolerance storage ...

Keywords: PACS, bone age assessment of children, computational services, data grid, fault-tolerance archive, grid computing, image analysis, image data mining

14 JMTP: an architecture for exploiting concurrency in embedded Java applications with real-time considerations

Rachid Helaihel, Kunle Olukotun

November 1999 **Proceedings of the 1999 IEEE/ACM international conference on Computer-aided design**

Publisher: IEEE Press

Full text available: pdf(139.94 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Using Java in embedded systems is plagued by problems of limited runtime performance and unpredictable runtime behavior. The Java Multi-Threaded Processor (JMTP) provides solutions to these problems. The JMTP architecture is a single chip containing an off-the-shelf general purpose processor core coupled with an array of Java Thread Processors (JTPs). Performance can be improved using this architecture by exploiting coarse-grained parallelism in the application. These performance im ...

15 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press

Full text available: pdf(4.21 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

16 Application of intelligent agent technology for managerial data analysis and mining



Ranjit Bose, Vijayan Sugumaran

January 1999 **ACM SIGMIS Database**, Volume 30 Issue 1

Publisher: ACM Press

Full text available: [pdf\(1.96 MB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Data analysis and mining technologies help bring business intelligence into organizational decision support systems (DSS). While a myriad of data analysis and mining technologies are commercially available today, organizations are seeing a growing gap between powerful storage (data warehouse) systems and the business users' ability to analyze and act effectively on the information they contain. We contend that to narrow this gap effectively, a data analysis and mining environment is needed that ...

Keywords: agent-based design, data mining, data warehouse, decision support systems, intelligent agents, multidimensional analysis, prototype implementation, statistical analysis, visualization

17 Cactis: a self-adaptive, concurrent implementation of an object-oriented database management system



Scott E. Hudson, Roger King

September 1989 **ACM Transactions on Database Systems (TODS)**, Volume 14 Issue 3

Publisher: ACM Press

Full text available: [pdf\(2.65 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Cactis is an object-oriented, multiuser DBMS developed at the University of Colorado. The system supports functionally-defined data and uses techniques based on attributed graphs to optimize the maintenance of functionally-defined data. The implementation is self-adaptive in that the physical organization and the update algorithms dynamically change in order to reduce disk access. The system is also concurrent. At any given time there are some number of computations that must be performed t ...

18 IS '97: model curriculum and guidelines for undergraduate degree programs in information systems



Gordon B. Davis, John T. Gorgone, J. Daniel Cougar, David L. Feinstein, Herbert E. Longenecker

December 1996 **ACM SIGMIS Database , Guidelines for undergraduate degree programs on Model curriculum and guidelines for undergraduate degree programs in information systems IS '97**, Volume 28 Issue 1

Publisher: ACM Press

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19 The Asilomar report on database research



Phil Bernstein, Michael Brodie, Stefano Ceri, David DeWitt, Mike Franklin, Hector Garcia-Molina, Jim Gray, Jerry Held, Joe Hellerstein, H. V. Jagadish, Michael Lesk, Dave Maier, Jeff Naughton, Hamid Pirahesh, Mike Stonebraker, Jeff Ullman

December 1998 **ACM SIGMOD Record**, Volume 27 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(660.48 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

The database research community is rightly proud of success in basic research, and its remarkable record of technology transfer. Now the field needs to radically broaden its research focus to attack the issues of capturing, storing, analyzing, and presenting the vast array of online data. The database research community should embrace a broader research agenda — broadening the definition of database management to embrace all the content of the Web and other online data stores, and ret ...

20 Facilitating connectivity in composite information systems



Richard Wang, Stuart E. Madnick

June 1989 **ACM SIGMIS Database**, Volume 20 Issue 3

Publisher: ACM Press

Full text available:  [pdf\(941.70 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Timely access to multiple disparate databases which were independently developed and administered to produce composite information has become increasingly critical for organizations to gain competitive advantage. However, many inter-database problems such as inconsistency, ambiguity, and contradiction remain unresolved. This paper presents an approach for resolving these problems. The techniques employed in this approach include schema integration, inter-database tables, attribute subsetting, ob ...

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1 [A declarative approach to optimize bulk loading into databases](#)



Sihem Amer-Yahia, Sophie Cluet

June 2004 **ACM Transactions on Database Systems (TODS)**, Volume 29 Issue 2**Publisher:** ACM Press

Full text available: pdf(1.00 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Applications, such as warehouse maintenance, need to load large data volumes regularly. The efficiency of loading depends on the resources that are available at the source and at the target systems. Our work aims to understand the performance criteria that are involved in bulk loading data into a database and to devise tailored optimization strategies. Unlike commercial systems and previous research on the same topic, our approach follows the fundamental database principle of physical-logical ind ...

Keywords: Declarative bulk loading, algebra, recovery, side-effects

2 [Congressional samples for approximate answering of group-by queries](#)



Swarup Acharya, Phillip B. Gibbons, Viswanath Poosala

May 2000 **ACM SIGMOD Record , Proceedings of the 2000 ACM SIGMOD international conference on Management of data SIGMOD '00**, Volume 29 Issue 2**Publisher:** ACM Press

Full text available: pdf(1.26 MB)

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In large data warehousing environments, it is often advantageous to provide fast, approximate answers to complex decision support queries using precomputed summary statistics, such as samples. Decision support queries routinely segment the data into groups and then aggregate the information in each group (*group-by* queries). Depending on the data, there can be a wide disparity between the number of data items in each group. As a result, approximate answers based on uniform random sample ...

3 [Data-centric storage in sensornets with GHT, a geographic hash table](#)




Sylvia Ratnasamy, Brad Karp, Scott Shenker, Deborah Estrin, Ramesh Govindan, Li Yin, Fang Yu

August 2003 **Mobile Networks and Applications**, Volume 8 Issue 4**Publisher:** Kluwer Academic Publishers

Full text available:

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index](#)

 pdf(255.10 KB)[terms](#)

Making effective use of the vast amounts of data gathered by large-scale sensor networks (sensornets) will require scalable, self-organizing, and energy-efficient data dissemination algorithms. For sensornets, where the content of the data is more important than the identity of the node that gathers them, researchers have found it useful to move away from the Internet's point-to-point communication abstraction and instead adopt abstractions that are more data-centric. This approach entails *na ...*

Keywords: *algorithms, distributed systems, performance, sensor networks*

4 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren


November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press

Full text available:  pdf(4.21 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

5 [Applications and OS: GHT: a geographic hash table for data-centric storage](#)

 Sylvia Ratnasamy, Brad Karp, Li Yin, Fang Yu, Deborah Estrin, Ramesh Govindan, Scott Shenker


September 2002 **Proceedings of the 1st ACM international workshop on Wireless sensor networks and applications**

Publisher: ACM Press

Full text available:  pdf(217.28 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Making effective use of the vast amounts of data gathered by large-scale sensor networks will require scalable, self-organizing, and energy-efficient data dissemination algorithms. Previous work has identified data-centric routing as one such method. In an associated position paper [23], we argue that a companion method, data-centric storage (DCS), is also a useful approach. Under DCS, sensed data are stored at a node determined by the name associated with the sensed data. In this paper, we des ...

6 [Level set and PDE methods for computer graphics](#)

 David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, Ross Whitaker
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

Publisher: ACM Press

Full text available:  pdf(17.07 MB) Additional Information: [full citation](#), [abstract](#)

Level set methods, an important class of partial differential equation (PDE) methods, define dynamic surfaces implicitly as the level set (iso-surface) of a sampled, evolving nD function. The course begins with preparatory material that introduces the concept of using partial differential equations to solve problems in computer graphics, geometric modeling and computer vision. This will include the structure and behavior of several different types of differential equations, e.g. the level set eq ...

7

[Special issue: AI in engineering](#)



D. Sriram, R. Joobhani
April 1985 **ACM SIGART Bulletin**, Issue 92

Publisher: ACM Press

Full text available: pdf(8.79 MB) Additional Information: [full citation](#), [abstract](#)

The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

8 Implementing declarative overlays



Boon Thau Loo, Tyson Condie, Joseph M. Hellerstein, Petros Maniatis, Timothy Roscoe, Ion Stoica

October 2005 **ACM SIGOPS Operating Systems Review , Proceedings of the twentieth ACM symposium on Operating systems principles SOSP '05**, Volume 39 Issue 5

Publisher: ACM Press

Full text available: pdf(370.85 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Overlay networks are used today in a variety of distributed systems ranging from file-sharing and storage systems to communication infrastructures. However, designing, building and adapting these overlays to the intended application and the target environment is a difficult and time consuming process. To ease the development and the deployment of such overlay networks we have implemented P2, a system that uses a declarative logic language to express overlay networks in a highly compact and reusable ...

Keywords: dataflow engines, declarative overlays, executable pseudocode

9 PSoup: a system for streaming queries over streaming data



Sirish Chandrasekaran, Michael J. Franklin

August 2003 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 12 Issue 2

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(267.99 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Abstract. Recent work on querying data streams has focused on systems where newly arriving data is processed and continuously streamed to the user in real time. In many emerging applications, however, ad hoc queries and/or intermittent connectivity also require the processing of data that arrives prior to query submission or during a period of disconnection. For such applications, we have developed PSoup, a system that combines the processing of ad hoc and continuous queries by treating data and ...

Keywords: Disconnected operation, Query-data duality, Stream query processing

10 Model-driven development of Web applications: the AutoWeb system



Piero Fraternali, Paolo Paolini

October 2000 **ACM Transactions on Information Systems (TOIS)**, Volume 18 Issue 4

Publisher: ACM Press

Full text available: pdf(6.94 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a methodology for the development of WWW applications and a tool environment specifically tailored for the methodology. The methodology and the development environment are based upon models and techniques already used in the hypermedia, information systems, and software engineering fields, adapted and blended in an original mix. The foundation of the proposal is the conceptual design of WWW

applications, using HDM-lite, a notation for the specification of structure, nav ...

Keywords: HTML, WWW, application, development, intranet, modeling

11 GPGPU: general purpose computation on graphics hardware



David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ian Buck, Cliff Woolley, Aaron Lefohn

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

Publisher: ACM Press

Full text available: pdf(63.03 MB) Additional Information: [full citation](#), [abstract](#)

The graphics processor (GPU) on today's commodity video cards has evolved into an extremely powerful and flexible processor. The latest graphics architectures provide tremendous memory bandwidth and computational horsepower, with fully programmable vertex and pixel processing units that support vector operations up to full IEEE floating point precision. High level languages have emerged for graphics hardware, making this computational power accessible. Architecturally, GPUs are highly parallel s ...

12 An architecture for secure wide-area service discovery

Todd D. Hodes, Steven E. Czerwinski, Ben Y. Zhao, Anthony D. Joseph, Randy H. Katz

March 2002 **Wireless Networks**, Volume 8 Issue 2/3

Publisher: Kluwer Academic Publishers

Full text available: pdf(365.68 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The widespread deployment of inexpensive communications technology, computational resources in the networking infrastructure, and network-enabled end devices poses an interesting problem for end users: how to locate a particular network service or device out of hundreds of thousands of accessible services and devices. This paper presents the architecture and implementation of a secure wide-area Service Discovery Service (SDS). Service providers use the SDS to advertise descriptions of available ...

Keywords: location services, name lookup, network protocols, service discovery

13 Contact networking: a localized mobility system



Casey Carter, Robin Kravets, Jean Tourrilhes

May 2003 **Proceedings of the 1st international conference on Mobile systems, applications and services MobiSys '03**

Publisher: ACM Press

Full text available: pdf(232.79 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

MobileIP, the standard for Internet mobility, enables transparent mobility for a mobile node, but requires communication to take a multihop path through the node's Home Agent. Although a user with a multiple-interface mobile node may desire the ability to communicate locally, perhaps while disconnected from the Internet, MobileIP offers no such support. Contact Networking provides lightweight, localized network communication to a node with diverse network interfaces. The goal is to provide support ...

14 Real-time shading



Marc Olano, Kurt Akeley, John C. Hart, Wolfgang Heidrich, Michael McCool, Jason L. Mitchell, Randi Rost

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

Publisher: ACM Press

Full text available:  pdf(7.39 MB) Additional Information: [full citation](#), [abstract](#)

Real-time procedural shading was once seen as a distant dream. When the first version of this course was offered four years ago, real-time shading was possible, but only with one-of-a-kind hardware or by combining the effects of tens to hundreds of rendering passes. Today, almost every new computer comes with graphics hardware capable of interactively executing shaders of thousands to tens of thousands of instructions. This course has been redesigned to address today's real-time shading capabili ...


15 [On randomization in sequential and distributed algorithms](#)



Rajiv Gupta, Scott A. Smolka, Shaji Bhaskar

March 1994 **ACM Computing Surveys (CSUR)**, Volume 26 Issue 1

Publisher: ACM Press

Full text available:  pdf(8.01 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Probabilistic, or randomized, algorithms are fast becoming as commonplace as conventional deterministic algorithms. This survey presents five techniques that have been widely used in the design of randomized algorithms. These techniques are illustrated using 12 randomized algorithms—both sequential and distributed—that span a wide range of applications, including: primality testing (a classical problem in number theory), interactive probabilistic proofs ...

Keywords: Byzantine agreement, CSP, analysis of algorithms, computational complexity, dining philosophers problem, distributed algorithms, graph isomorphism, hashing, interactive probabilistic proof systems, leader election, message routing, nearest-neighbors problem, perfect hashing, primality testing, probabilistic techniques, randomized or probabilistic algorithms, randomized quicksort, sequential algorithms, transitive tournaments, universal hashing


16 [Applying an information gathering architecture to Netfind: a white pages tool for a changing and growing Internet](#)



Michael F. Schwartz, Calton Pu

October 1994 **IEEE/ACM Transactions on Networking (TON)**, Volume 2 Issue 5

Publisher: IEEE Press

Full text available:  pdf(1.71 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

17 [The Quadtree and Related Hierarchical Data Structures](#)



Hanan Samet

June 1984 **ACM Computing Surveys (CSUR)**, Volume 16 Issue 2

Publisher: ACM Press

Full text available:  pdf(4.87 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)


18 [Self-similarity in the web](#)



Stephen Dill, Ravi Kumar, Kevin S. Mccurley, Sridhar Rajagopalan, D. Sivakumar, Andrew Tomkins

August 2002 **ACM Transactions on Internet Technology (TOIT)**, Volume 2 Issue 3

Publisher: ACM Press

Full text available:  pdf(483.69 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Algorithmic tools for searching and mining the Web are becoming increasingly sophisticated and vital. In this context, algorithms that use and exploit structural information about the Web perform better than generic methods in both efficiency and reliability. We present an extensive characterization of the graph structure of the Web, with a view to enabling high-performance applications that make use of this structure. In particular, we show that the Web emerges as the outcome of a number of esse ...

Keywords: Fractal, Web-based services, World-Wide-Web, graph structure, online information services, self-similarity

19 Replication for web hosting systems

 Swaminathan Sivasubramanian, Michal Szymaniak, Guillaume Pierre, Maarten van Steen
September 2004 **ACM Computing Surveys (CSUR)**, Volume 36 Issue 3

Publisher: ACM Press

Full text available:  pdf(374.99 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Replication is a well-known technique to improve the accessibility of Web sites. It generally offers reduced client latencies and increases a site's availability. However, applying replication techniques is not trivial, and various Content Delivery Networks (CDNs) have been created to facilitate replication for digital content providers. The success of these CDNs has triggered further research efforts into developing advanced Web replica hosting systems. These are systems that ...

Keywords: Web replication, content delivery networks

20 A scalable distributed information management system

 Praveen Yalagandula, Mike Dahlin
August 2004 **ACM SIGCOMM Computer Communication Review, Proceedings of the 2004 conference on Applications, technologies, architectures, and protocols for computer communications SIGCOMM '04**, Volume 34 Issue 4

Publisher: ACM Press

Full text available:  pdf(364.00 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We present a Scalable Distributed Information Management System (SDIMS) that aggregates information about large-scale networked systems and that can serve as a basic building block for a broad range of large-scale distributed applications by providing detailed views of nearby information and summary views of global information. To serve as a basic building block, a SDIMS should have four properties: scalability to many nodes and attributes, flexibility to accommodate a broad range of appl ...

Keywords: distributed hash tables, information management system, networked system monitoring

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